Table 1.6 Biofuels Overview, 2004 - 2008

(Trillion Btu)

Type	2004	2005	2006	2007	2008
Ethanol					
Feedstock[1]	484	552	688	914	1,300
Losses and Coproducts[2]	203	230	285	376	531
Denaturant[3]	8	9	11	14	21
Production[4]	289	331	414	553	790
Net Imports[5]	13	12	62	37	45
Stock Change[6]	*	-2	11	6	13
Consumption[4]	301	344	465	584	821
Consumption minus Denaturant	293	335	453	569	800
Biodiesel					
Feedstock[7]	4	12	32	63	88
Losses and Coproducts[8]	*	*	*	1	1
Production[9]	4	12	32	62	87
Net Imports[10]	*	*	1	-17	-46
Stock Change[11]	-	-	-	-	-
Balancing Item[12]	-	-	-	-	-
Consumption	3	12	33	46	40

[1]Total corn and other biomass inputs to the production of fuel ethanol.
[2]Losses and coproducts from the production of ethanol. Does not include natural gas, electricity, and other non-biomass energy used in the production of ethanol.
[3]Petroleum, typically pentanes plus or conventional motor gasoline, added to ethanol to make it unfit for human consumption.
[4]Includes denaturant.
[5]Fuel ethanol imports. There are no exports. Includes denaturant.
[6]A negative number indicates a decrease in stocks and a positive number indicates an increase. Includes denaturant.
[7]Total soy bean oil and other biomass inputs to the production of biodiesel.
[8]Losses and coproducts from the production of biodiesel. Does not include natural gas, electricity, and other nonbiomass energy used in the production of biodiesel.
[9]Production of biofuels for use as diesel fuel substitutes or additives.
[10]Net imports equal imports minus exports.
[11]A negative number indicates a decrease in stocks and a positive number indicates an increase.
[12]Calculated as biodiesel consumption and biodiesel stock change minus biodiesel production and net imports.
* = Less than 0.5 trillion Btu.
- = No data reported.
Note: Totals may not equal sum of components due to independent rounding.
Sources: (Note: For ethanol and biodiesel heat contents, see Table 10.) Ethanol Feedstock: Calculated as fuel ethanol production multiplied by the approximate heat content of the corn and other biomass inputs to the production of fuel ethanol. Ethanol Losses and Co-products: Calculated as ethanol feedstock minus fuel ethanol production excluding denaturant. Ethanol Denaturant: 2004-2008: Denaturant estimated as 2 percent of ethanol production. Ethanol Production: 2004 and forward: U.S. Energy Information Administration (EIA), Form EIA-819, "Monthly Oxygenate Report," and predecessor form. Ethanol Net Imports, Stocks and Stock Change: 2002 and forward: EIA, Petroleum Supply Annual (PSA), annual reports. Ethanol Consumption: 2002-2004: EIA, PSA, annual reports, Tables 2 and 16. Calculated as ten percent of oxygenated finished motor gasoline field production (Table 2), plus fuel ethanol refinery input (Table 16). 2005-2008: EIA, PSA (Various Issues), Tables 1 and 15.
Calculated as motor gasoline blending components adjustments (Table 1), plus finished motor gasoline adjustments (Table 1), plus fuel ethanol refinery blender net inputs (Table 15). Biodiesel Feedstock: Calculated as biodiesel production multiplied by the approximate heat content of the vegetable oil and other biomass inputs to the production of biodiesel. Biodiesel Losses and Co-products: Calculated as biodiesel feedstock minus biodiesel production. Biodiesel Production: 2001-2005: U.S. Department of Agriculture, Commodity Credit Corporation, Bioenergy Program records, 2006: U.S. Department of Commerce, Bureau of Census, Current Industrial Reports, Fats and Oils - Production, Consumption and Stocks, data for soybean oil in methyl esters (biodiesel), 2007: U.S. Department of Commerce, Bureau of Census, Current Industrial Reports, Fats and Oils - Production, Consumption and Stocks, data for fats and oils in methyl esters, and 2008: U.S. Energy Information Administration, Form EIA-22S, "Supplement to the Monthly Biodiesel Production Survey." Trade: USDA imports data for Harmonized Tariff Schedule code 3824.90.40.20 (Fatty Esters Animal/ Vegetable Mixture) and exports data for Schedule B code 3824.90.40.00 (Fatty Substances Animal/ Vegetable Mixture, and analysis conducted by U.S. Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels.